

3.600 Louis County
West Lake Sanitary Landfill

JOHN ASHCROFT
Governor

FREDERICK A. BRUNNER
Director



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY

St. Louis Regional Office
8460 Watson Road, Suite 217
St. Louis, MO 63119
314-849-1313

November 17, 1986

Mr. William Whitaker, President
West Lake Landfill, Inc.
13570 St. Charles Rock Road
Bridgeton, Missouri 63044

Dear Mr. Whitaker:

Enclosed is a report of an inspection conducted at the West Lake Sanitary Landfill on November 6, 1986. No unsatisfactory features were noted during this inspection, and no corrective actions are warranted at this time.

If you have any questions concerning this inspection please contact me at the St. Louis Regional Office.

Sincerely,

ST. LOUIS REGIONAL OFFICE

Joe Haake

Joe Haake
Environmental Specialist II

JH:mc
Encl.

CC: Central Office - WMP
City of Bridgeton
St. Louis County Health Department

rec'd

Division of Energy
Division of Environmental Quality
Division of Geology and Land Survey
Division of Management Services
Division of Parks and
Historic Preservation

RECEIVED
NOV 20 1986

WASTE MANAGEMENT
PROGRAM

Site	West Lake LDF
ID#	MA0079900932
Book	11.2
Other	84 2
11-17-86	

40249204



SUPERFUND RECORDS

DNR 0062

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SOLID WASTE FACILITY INSPECTION REPORT

FACILITY

West Lake Landfill, Inc.
St. Louis County
Sanitary Landfill
MDNR Permit # 118912

INTRODUCTION

An inspection of the West Lake Landfill was conducted on November 6, 1986, to assess compliance with applicable requirements pursuant to the Missouri Solid Waste Management Law. Mr. Joe Haake, Environmental Specialist, represented the Missouri Department of Natural Resources - St. Louis Regional Office. Mr. Vernon Fehr, Superintendent, represented the facility.

UNSATISFACTORY FEATURES

None

DISCUSSION

At the time of the inspection adequate spreading and compacting of the solid waste was being accomplished by two (2) Caterpillar D-8 bulldozers. The incoming volume of waste had increased to about 3000 yards per day. A thirty (30) day stockpile of cover soil was present near the working face.

Approximately one (1) acre of the completed north section had not received final cover. Work on this section was delayed due to wet weather. Additional cover had been placed on the upper north slope since the previous inspection.

The leachate collection/treatment system was in operation. Leachate collected in well number 1 at the northeast section of the quarry pit is automatically pumped to the leachate holding lagoon. A concrete pad had been placed at the northeast section of the pit for installation of the number 2 leachate collection well. Leachate contaminated surface water which accumulates in the northeast section is pumped to the lagoon on a periodic basis.

(2)

A pump and vertical piping have been installed at the southeast corner of the pit to remove accumulated surface water under a NPDES permit. The berm separating the two areas of the pit had not been completed at the east side, and leachate contaminated water was observed flowing from the northeast section toward the southeast corner. Mr. Fehr immediately instructed an employee to begin pumping from the northeast section to prevent the contamination of surface water collected at the southeast corner.

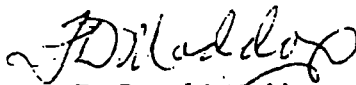
The gas collection/destruction system was in operation. A power failure in October caused a shutdown of the system for a day. Decomposition gas odors were reported from off-site at that time. The gas collection well in area 1 of the quarry pit has been installed, and the first set of collection laterals will be installed on the next lift.

RECOMMENDATIONS

1. Complete the application of final cover, and seed on the north section as soon as possible.
2. Pump the leachate contaminated water out of the northeast section as often as necessary to prevent contamination of surface water accumulated at the southeast corner.
3. Complete construction of the soil embankment separating areas 1 and 2.

Should you have any questions concerning this inspection report, please contact the St. Louis Regional Office.

APPROVED:



F. Donald Maddox
Regional Administrator
St. Louis Regional Office

PREPARED BY:



Joe Haake
Environmental Specialist II
St. Louis Regional Office

FDM/JH/mc

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY

Annual Inspection ☐
Reinspection ☒

SANITARY LANDFILL SURVEILLANCE RECORD

Date: 11-6-86 Days/Week Open: 6
Name of Sanitary Landfill: WEST LAKE SANITARY LANDFILL
Permit No: 118912 County: ST. LOUIS COUNTY
Owner: WEST LAKE LANDFILL, INC. Operator: WEST LAKE LANDFILL, INC.
Address: 13570 ST. CHARLES ROCK RD. Address: 13570 ST. CHARLES ROCK RD.
BRIDGETON 63042 BRIDGETON 63042

I. Special Conditions and Approved Modifications

- A. Are there any special conditions or approved modifications of the satisfactory compliance subsections of the rules and regulations? (e.g. impermeable barrier, limited excavation, exceptions to daily cover requirements)
X Yes No
- B. Is the sanitary landfill operation in compliance with the special conditions or approved modifications? (If "No," describe violations under "REMARKS.")
X Yes No

II. Check Types of Waste Accepted

	INDICATED ON PERMIT APPLICATION	REPORTED BY OPERATOR	AS OBSERVED
Municipal solid waste	<u>X</u>	<u>X</u>	<u>X</u>
Bulky waste	<u>X</u>	<u>X</u>	<u>X</u>
Dead animals			
Incinerator residue	<u>APPROVED</u>	<u>X</u>	
Demolition and construction waste			
Brush and untreated wood waste			
Septic tank pumpings			
Wastewater treatment plant sludges			
OTHER SLUDGES (SPECIFY)			
LIQUIDS (SPECIFY)			
INDUSTRIAL PROCESS WASTES (SPECIFY)			
HAZARDOUS WASTES (SPECIFY)			
OTHER WASTES (SPECIFY)			

III. Remaining Life of Landfill

- A. Estimated amount of solid waste coming through gate.
Compacted loads ~18,000 yds/wk tons/wk
Noncompacted loads yds/wk tons/wk
- B. Estimated volume of remaining landfill covered by approved engineering plans.
 acre feet 25 years

INSPECTION FORM
DISTRIBUTION LIST

Owner X
Operator X
City BRIDGETON
County Court
Consulting Engineer
Solid Waste Program CO-WMP
Regional Office File X
Others ST. LOUIS CO HEALTH

IV. Satisfactory Compliance
Check all subsection
"Remarks.")

Subsections Regulations 80-3.010

T — Satisfactory; UNS — Unsatisfactory. (If necessary describe

violations under

SECTION NUMBER	SATISFACTORY COMPLIANCE OPERATING PROCEDURE	SAT	UNS
(2) SOLID WASTE ACCEPTED			
(2)(C)2	Bulky solid waste crushed on solid ground and pushed onto working face near bottom of the cell.	X	
(2)(C)3	Small dead animals covered immediately with soil or solid waste. Large dead animals placed in pit and covered with four feet compacted soil.	X	
(2)(C)4	Disposal of dewatered sludges on working face along with municipal solid waste.	X	
(2)(C)5	Incinerator and air pollution control residues prevented from becoming airborne.	X	
(3) SOLID WASTE EXCLUDED			
(3)(C)1	No unpermitted waste accepted.	X	
(3)(C)2	Sign posted at entrance listing excluded wastes.	X	
(4) SITE SELECTION			
(4)(C)1	Site accessible in all weather conditions. Temporary roads provided for delivery to working face.	X	
(6) WATER QUALITY			
(6)(C)1	Surface water courses and runoff properly diverted from the landfill. Sanitary landfill construction and grading to promote rapid surface water runoff without excessive erosion.	X	
(6)(C)2	Leachate collection and treatment systems utilized where necessary to protect ground and surface water resources.	X	
(6)(C)3	No ground or surface water in contact with solid waste.	X	
(7) AIR QUALITY			
(7)(C)	No open burning without written permission of the proper air pollution agency and the Division.	X	
(9) GAS CONTROL			
(8)(C)	Implementing decomposition gas control plan as necessary to prevent problems.	X	
(9) VECTORS			
(9)(C)	Vector control programs implemented when necessary to prevent or rectify vector problems.	X	
(10) AESTHETICS			
(10)(C)1	Litter control devices utilized near working face and elsewhere as needed. Litter collected from fences, and the ground surface, and incorporated into the daily cell at the end of each day or containerized.	X	
(10)(C)2	Wastes easily moved by wind covered as necessary to prevent their becoming airborne and scattered.	X	
(10)(C)3	On-site vegetation and natural windbreaks being utilized to improve appearance and operation of the sanitary landfill.	X	

SUBSECTION NUMBER	SATISFACTORY COMPLIANCE OPERATING PROCEDURE	SAT	UNS
(10) AESTHETICS (Continued)			
(10)(C)4	Salvaged materials removed daily or stored in aesthetically acceptable containers or enclosures.	X	
(11) COVER MATERIAL			
(11)(C)1	Daily cover applied regardless of weather in not less than a six inch layer. Cover material available in all weather conditions.	X	
(11)(C)2	Intermediate cover applied to all areas idle for more than 60 days in a layer not less than one foot after compaction.	X	
(11)(C)3	Final cover applied on each area as completed in a layer not less than two feet after compaction.	X	
(12) COMPACTION			
(12)(C)1	Adequate equipment on-site, operated daily.	X	
(12)(C)1A	Solid waste spread in layers not to exceed two feet and confined to smallest practical area.	X	
(12)(C)1B	Wastes compacted to smallest practical volume.	X	
(12)(C)1C	Cover material compacted as much as practical.	X	
(12)(C)2	Preventive maintenance performed.	X	
(12)(C)3	Daily task operating manual provided.	X	
(13) SAFETY			
(13)(C)1	Fire extinguishers provided on oil equipment.	X	
(13)(C)2	Provisions for extinguishing fires in waste, equipment, and structures.	X	
(13)(C)3	Communication equipment available.	X	
(13)(C)4	Scavenging prohibited.	X	
(13)(C)5	Controlled access to site by established roadways and limited to hours when operating personnel are on duty.	X	
(13)(C)6	Traffic controlled and directed to designated disposing points.	X	
(13)(C)7	Site dust controlled for safety purposes and to prevent nuisances.	X	
(14) RECORDS			
(14)(C)1A	Records of major problems and complaints.	X	
(14)(C)1B	Monitoring record maintained. a. leachate sampling and analyses. b. gas sampling and analyses. c. ground and surface water analyses.	X	
(14)(C)1C	Records of vector control efforts.	X	
(14)(C)1D	Records of dust and litter control efforts.	X	
(14)(C)1E	Records of quantity of waste handled.	X	
(14)(C)1F	Records of description, sources, and volume of special wastes listed in Subsection (3)(A).	X	

V. Operation Proceeding in Accordance with Approved Engineering Plans? (If "NO," describe violations under "Remarks.")

X Yes No

REMARKS _____

(Attach additional sheets as necessary.)

BY

Joe Hooke

SIGNATURE OF INVESTIGATOR